

SHC series

Passive Probes

SHC-1/1000, SHC-2/1000



Main Features

- 9 kHz to 30 MHz frequency range
- Designed in compliance with CISPR 16-1-2
- Suitable for lines up to 1000 VAC - 1500 VDC
- 30 or 35 dB insertion loss
- Interchangeable, robust contact tip and alligator clip

The Voltage Passive probes are ancillaries specifically designed for the measurement of conducted disturbances, either to EUT of line current exceeding the LISN capability and to the disturbances of EUT's load and control terminals, as required by various generic and product standards: IEC/EN, CISPR etc.

Connected to the RF input of EMI receivers and spectrum analyzers, their primary functions are of: blocking the AC/DC voltages of EUT's power line, providing a standardized impedance to the disturbance voltages and attenuating the same to preventing the receiver input to saturate or being damaged.

Operating the voltage probes requires the user to apply the necessary safety measures in relation with the AC or DC line voltages.

SHC-1/1000, SHC-2/1000

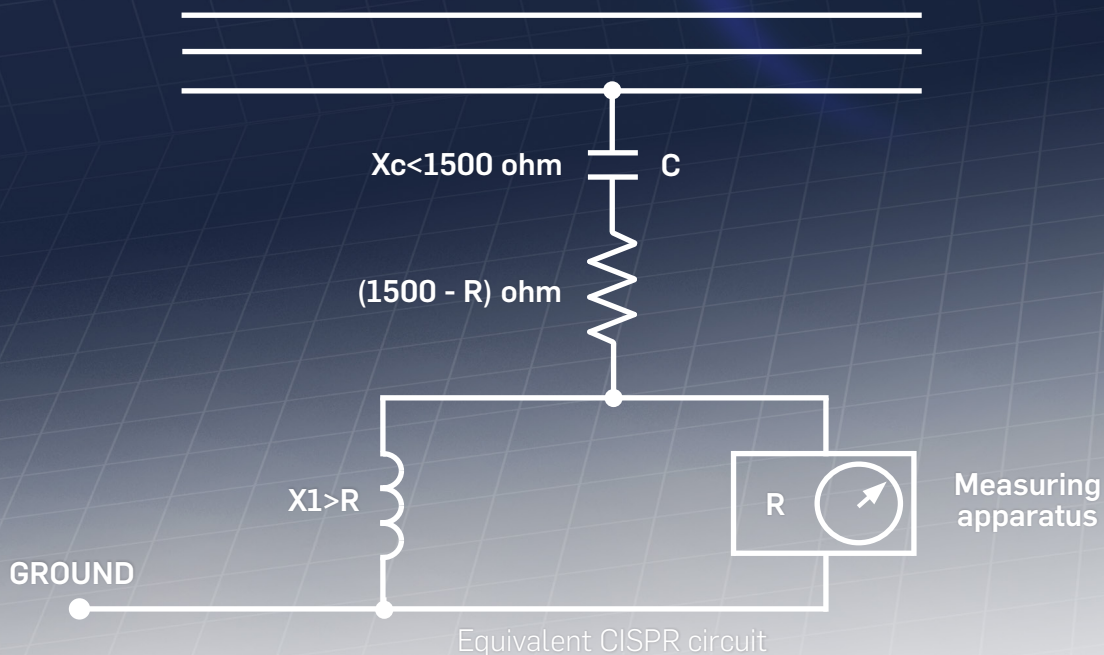
Passive probes

SPECIFICATIONS

Insertion Loss	SHC-1/1000 35 dB (typical)	
	SHC-2/1000 30 dB (typical)	
Input impedance	> 1500 Ohm	
Input capacity	< 10 pF	
Frequency range	9 kHz to 30 MHz	
Max permissible input operating voltage	SHC-1/1000 1000 Vac	1500 Vdc
	SHC-2/1000 1000 Vac	1500 Vdc
RF output	BNC male	
Rated temperature	0 °C to +45 °C	
Storage temperature	-25 °C to +70 °C	



Supply Mains



Ordering Information:

SHC-1/1000 Passive Probe

Includes: Operating Manual, Carrying Case 170/30N, BNC-BNC Cable, Red Test Alligator Clip, Red Test Probe Tip and Safety Cap, Calibration Certificate

SHC-2/1000 Passive Probe

Includes: Operating Manual, Carrying Case 170/30N, BNC-BNC Cable, Black Test Alligator Clip, Black Test Probe Tip and Safety Cap, Calibration Certificate

Related Products

Receivers

- 7010/00: EMI receiver 150 kHz to 1 GHz
- 7010/01: EMI receiver 9 kHz to 1 GHz
- 7010/02: EMI receiver 9 kHz to 30 MHz
- 9010: EMI receiver 10 Hz to 30 MHz
- 9010F: EMI receiver 10 Hz to 30 MHz
- 9010/03P: EMI receiver 10 Hz to 300 MHz
- 9010/30P: EMI receiver 10 Hz to 3 GHz
- 9010/60P: EMI receiver 10 Hz to 6 GHz

LISN

- L2-16B: single phase AMN, 16 A
- L3-32: 4 lines, 3-phase AMN, 32 A
- L3-64: 4 lines, 3-phase AMN, 63 A
- L3-64/690: 4 lines, 3-phase AMN, 63A
- L3-100: 4 lines, 3-phase AMN, 100 A
- L1-150M: single-path, 50 Ohm AMN, 150 A
- L1-150M1: single-path, 50 Ohm AMN, 150 A
- L1-500: single phase AMN, 500A
- L3-500: 4 lines, 3-phase AMN, 500 A
- L2-D: Delta LISN for telecom, 2 A, 150 Ω

RFI Filters

- FIL-L2-16F: single phase RFI filter, 16 A
- FIL-L2-24M: single phase RFI filter, 24 A
- FIL-L3-32M: 3-phase+neutral RFI filter, 32 A
- FIL-L3-70M: 3-phase+neutral RFI filter, 70 A



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